



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Thursday, January 3, 2019

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- **A winter mix with travel impacts across much of OK into N TX and NW AR.**
- **Areas of heavy rain/flash flooding continue across SE TX into LA.**

Friday – Saturday

- **No significant weather impacts expected.**

Sunday

- **Another round of snow possible across N NM.**

Monday

- **No significant weather impacts expected.**

River Flooding

- **Minor to Moderate river flooding continues across E/SE TX and LA/AR. Impacts to secondary roads and farm/ranch areas.**
 - **The Trinity River at Liberty (SE TX) is in major flood stage. Homes in several subdivisions above Liberty may be impacted.**
 - **The Pearl River in SE LA is in moderate flood near Pearl River, LA. Secondary roads and 20 homes are impacted.**
 - **The Sabine River near Bon Weir (SE TX) will rise to major flood by Friday with major lowland flooding possible.**

FEMA Region 6 Threat Matrix

Jan 3, 2019 – Jan 7, 2019



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DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms					
Heavy Rain / Flash Flooding	SETX/LA				
Winter Weather	OK/NTX/NW AR			NNM	
Fire Weather					
River Flooding	E/SETX S LA	E/SETX S LA	E/SETX S LA	E/SETX S LA	E/SETX S LA
	AR/N LA	ETX/AR/LA	ETX/AR/LA	ETX/AR/LA	ETX/AR/LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

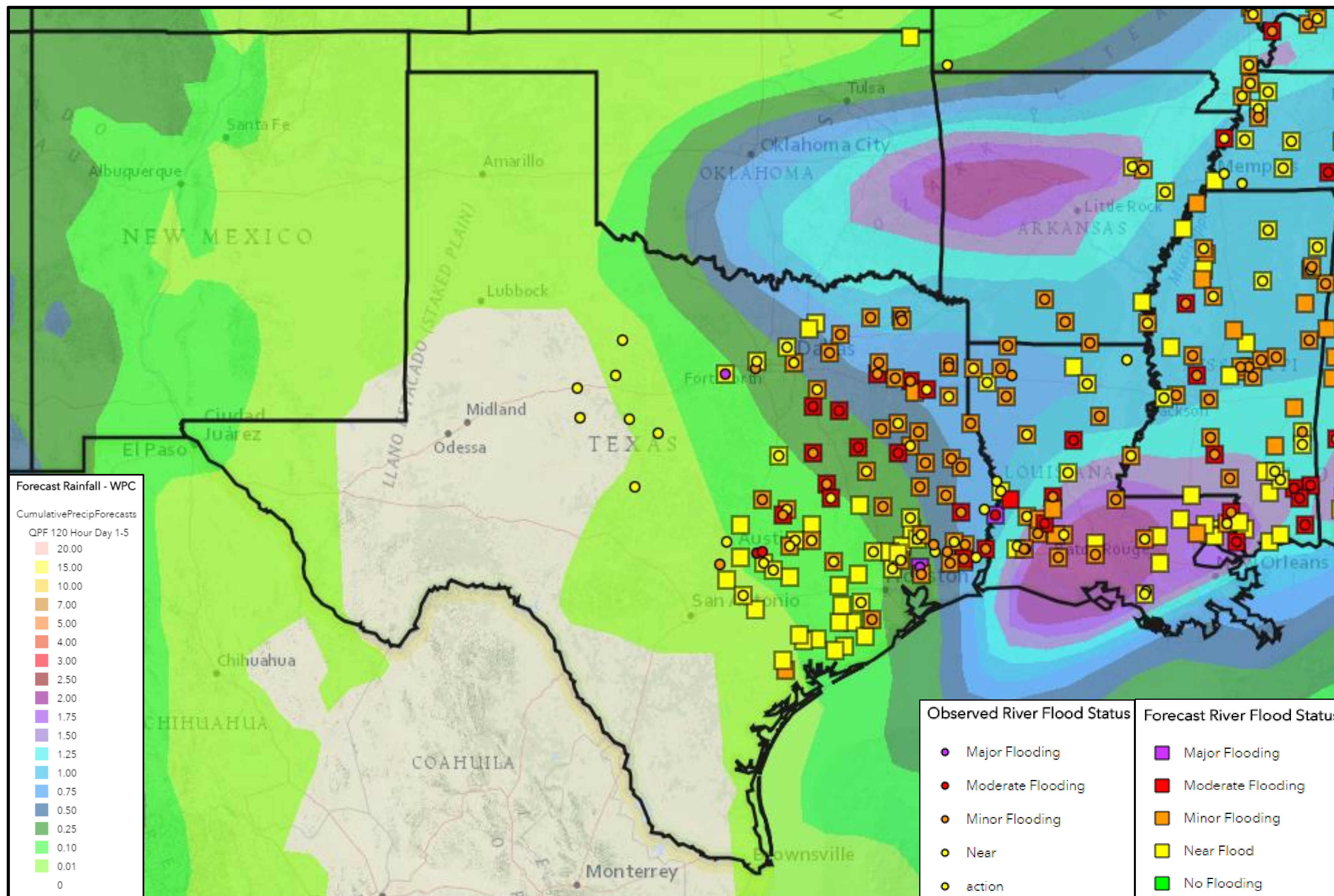
**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Minor to Moderate river flooding continues across E/SE TX and LA/AR. Impacts to secondary roads and farm/ranch areas.

The Trinity River at Liberty (SE TX) is in major flood stage. Homes in several subdivisions above Liberty may be impacted.

The Pearl River in SE LA is in moderate flood near Pearl River, LA. Secondary roads and 20 homes are impacted.

The Sabine River near Bon Weir (SE TX) will rise to major flood by Friday with major lowland flooding possible.

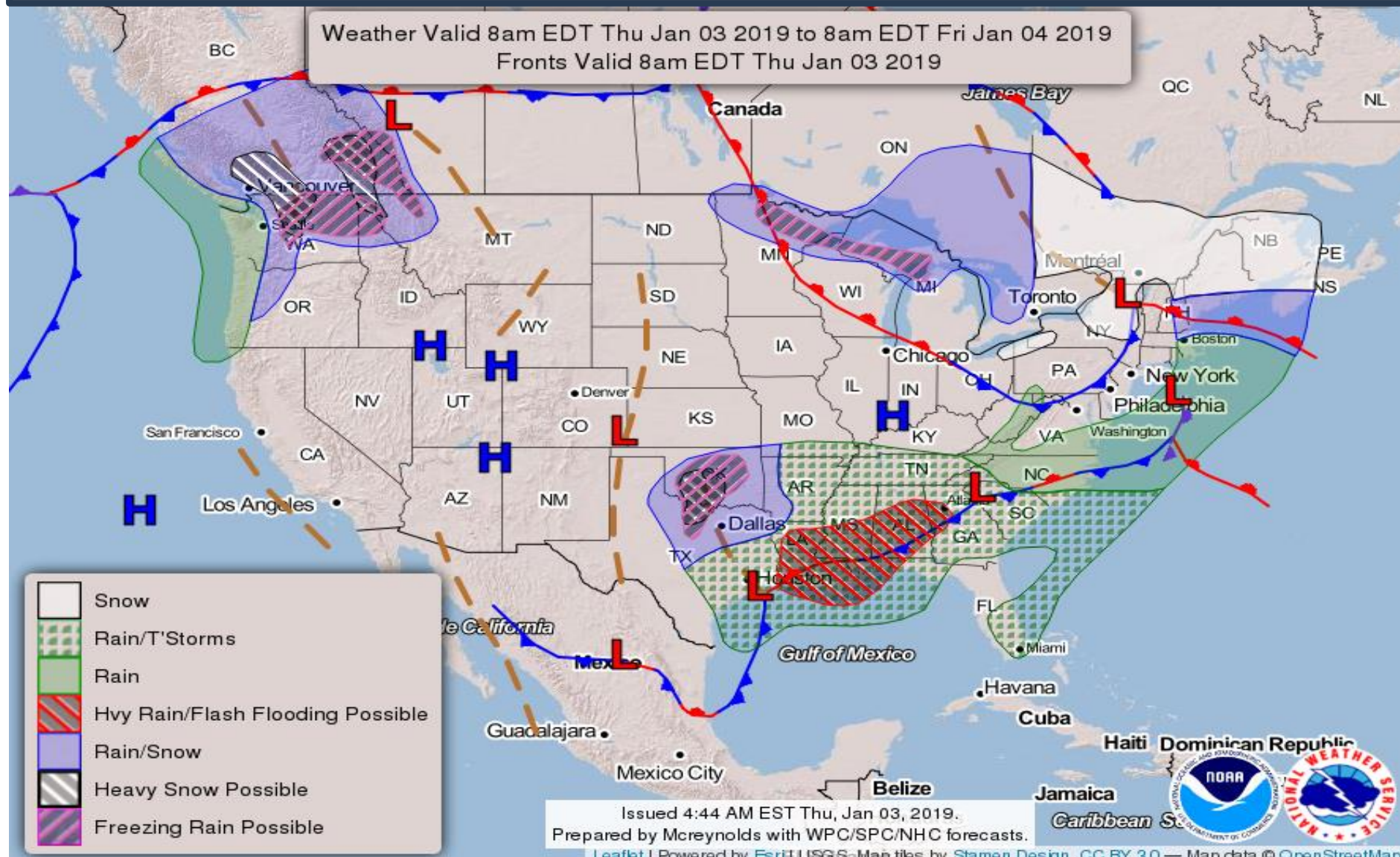
Minor river flooding is occurring across AR.

Today's Weather

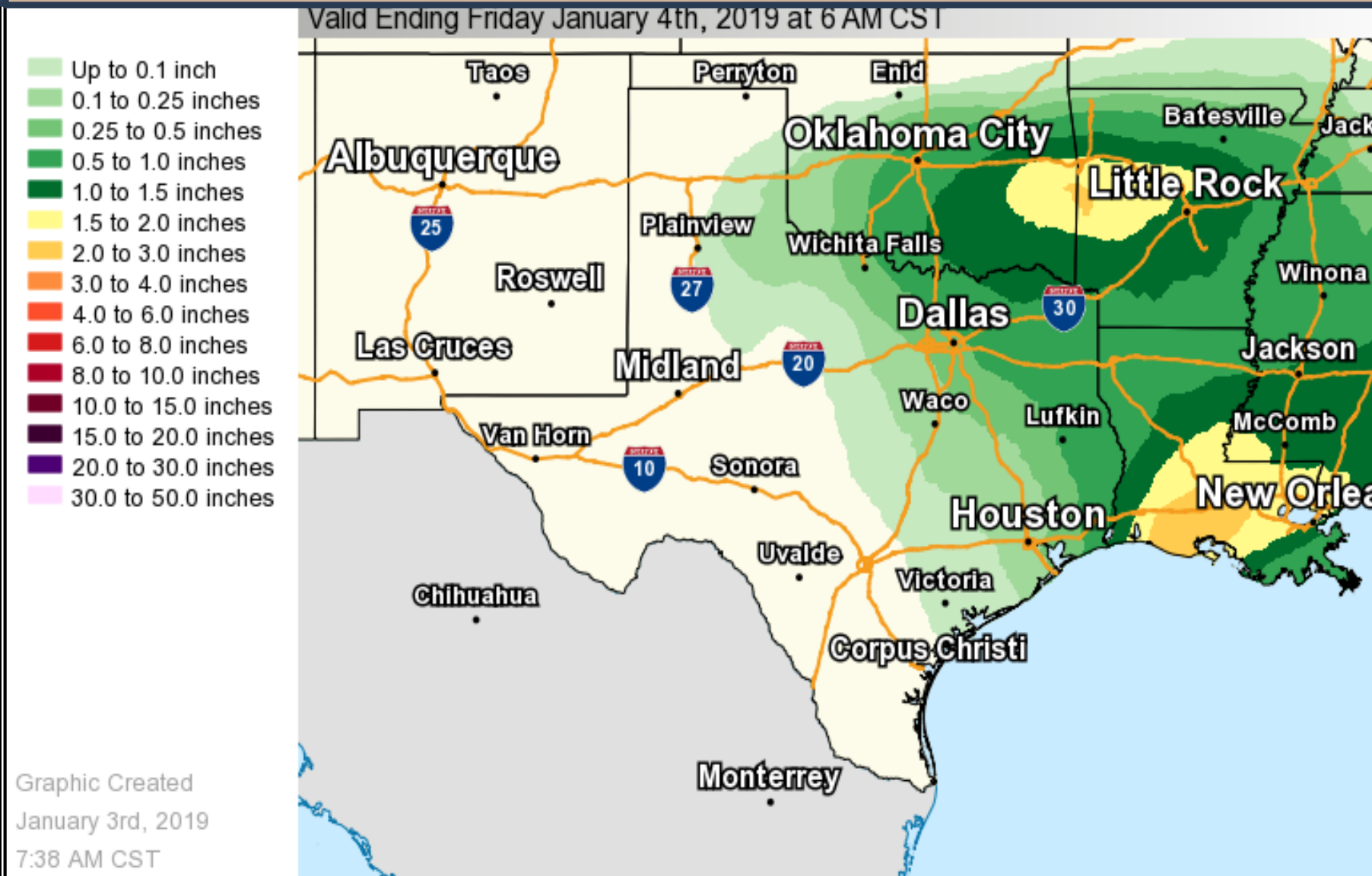


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Forecast Chart

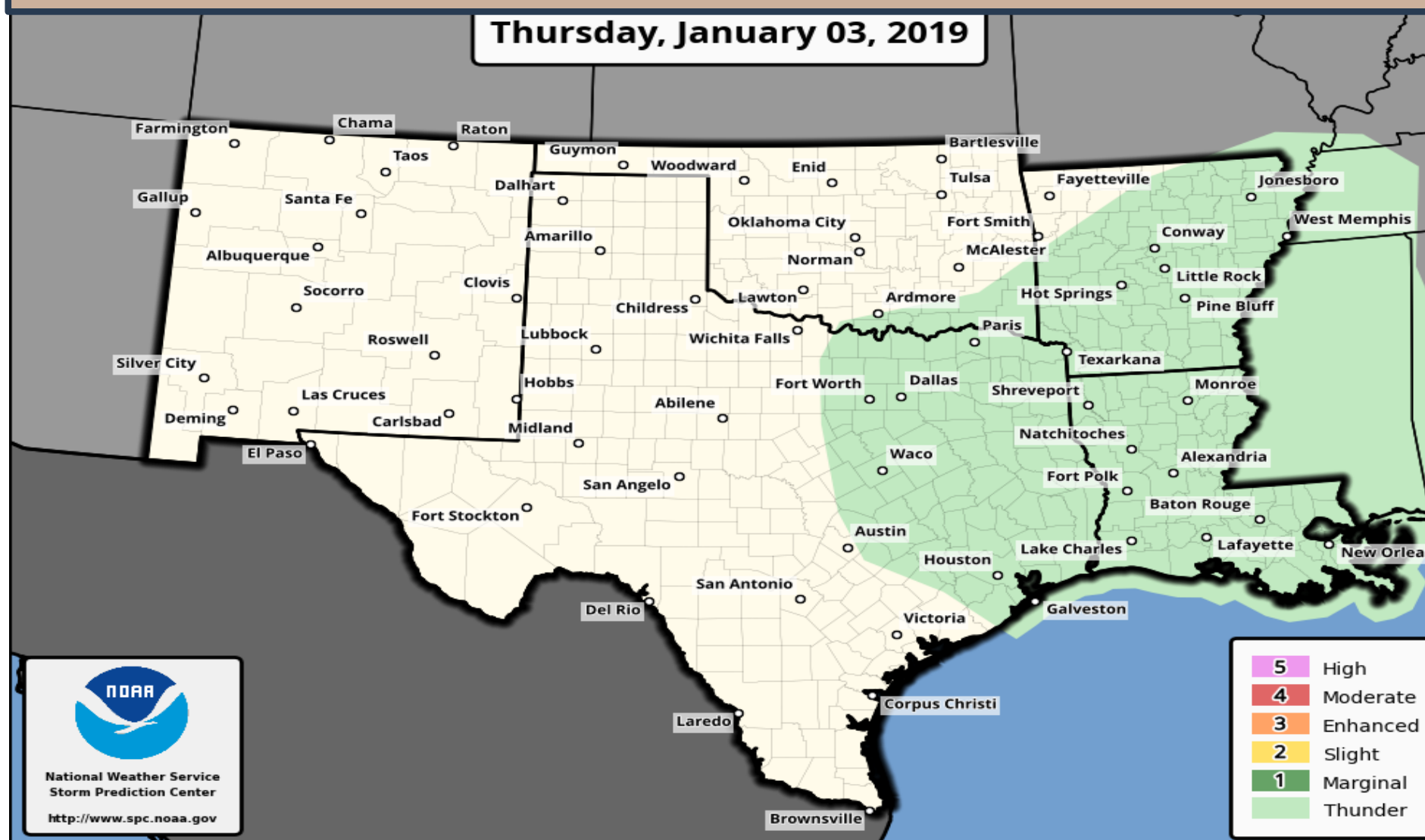


Forecast Rainfall

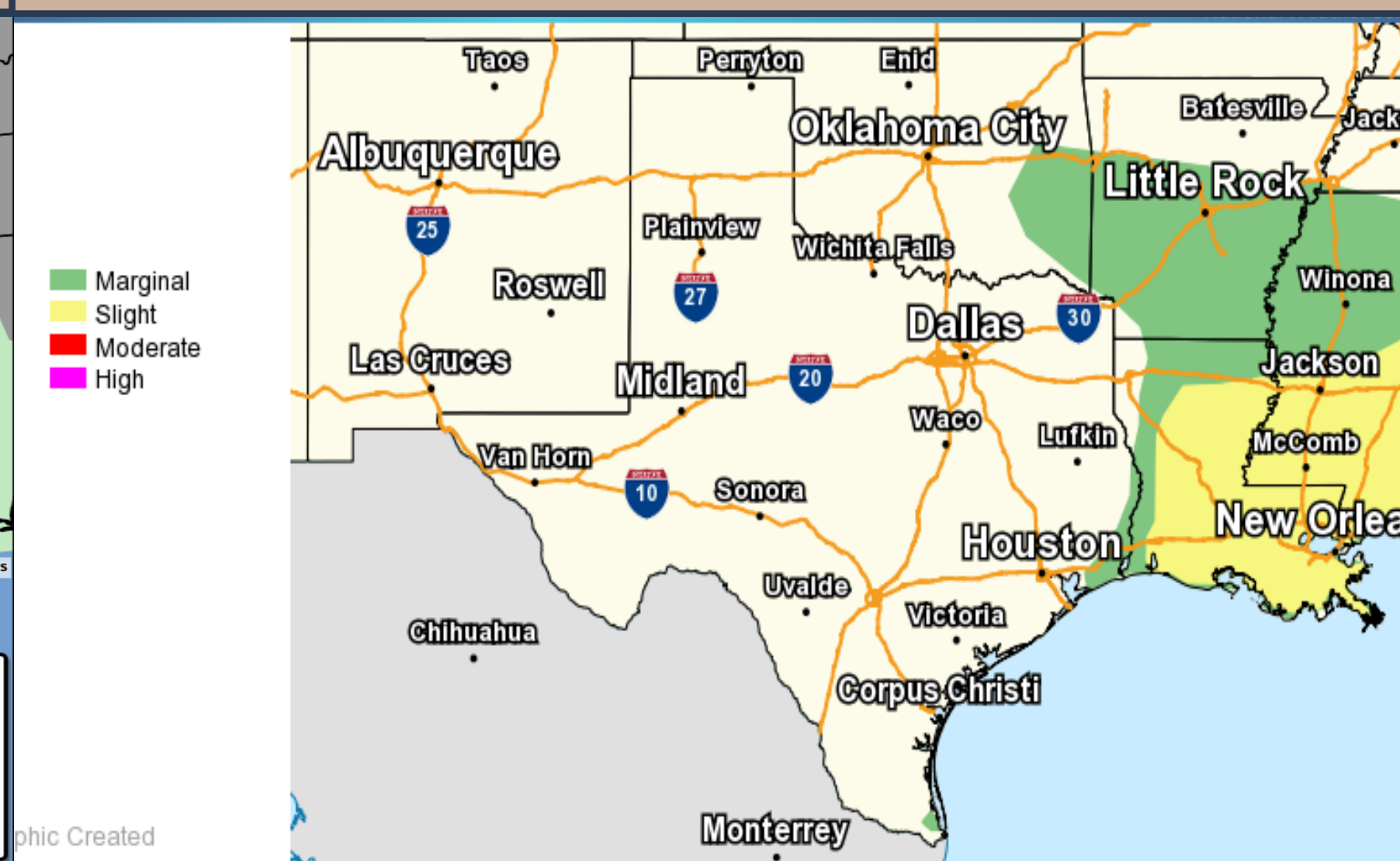


A winter mix with travel impacts across much of OK into N TX & NW AR.

Severe Weather Outlook



Excessive Rainfall Outlook



Areas of heavy rain/flash flooding continue across SE TX into LA.

Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

**Winter Storm Warnings
for Central OK into parts
of NTX.**

**Winter Weather
Advisories in effect for
NW AR, most of the rest
of OK, and portions of
Central and NW TX.**

**Advisories in Central TX
expiring this morning.**

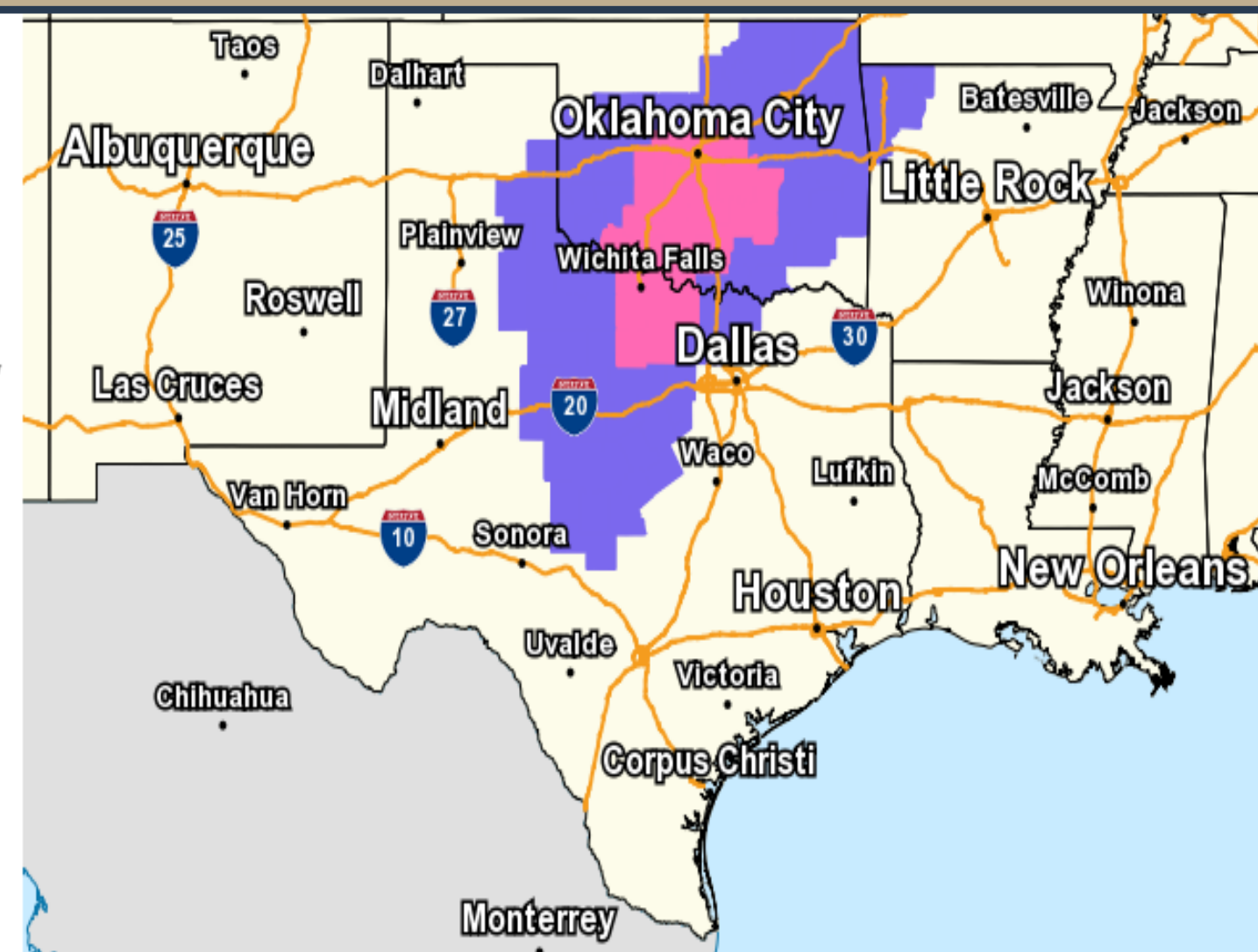
**Flash Flood Watches
continue across
SE TX into LA.**

Strong & Gusty Winds



Graphic Created

Winter Weather



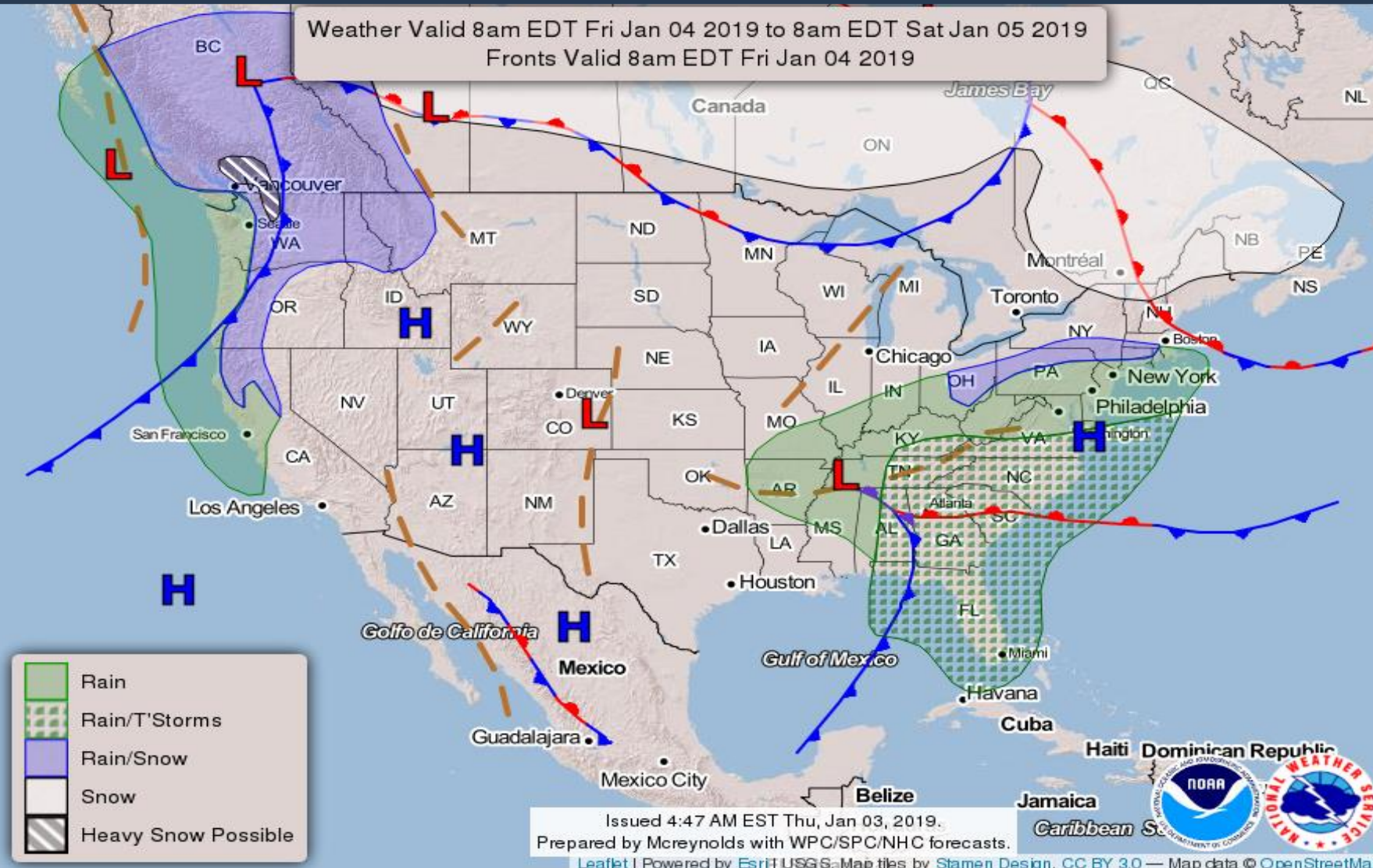
Graphic Created

Tomorrow's Weather

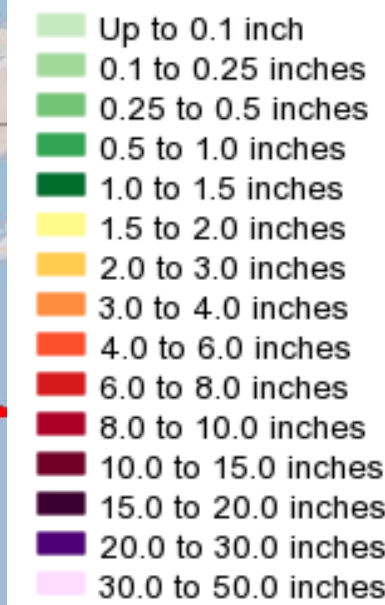


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Forecast Chart



Forecast Rainfall

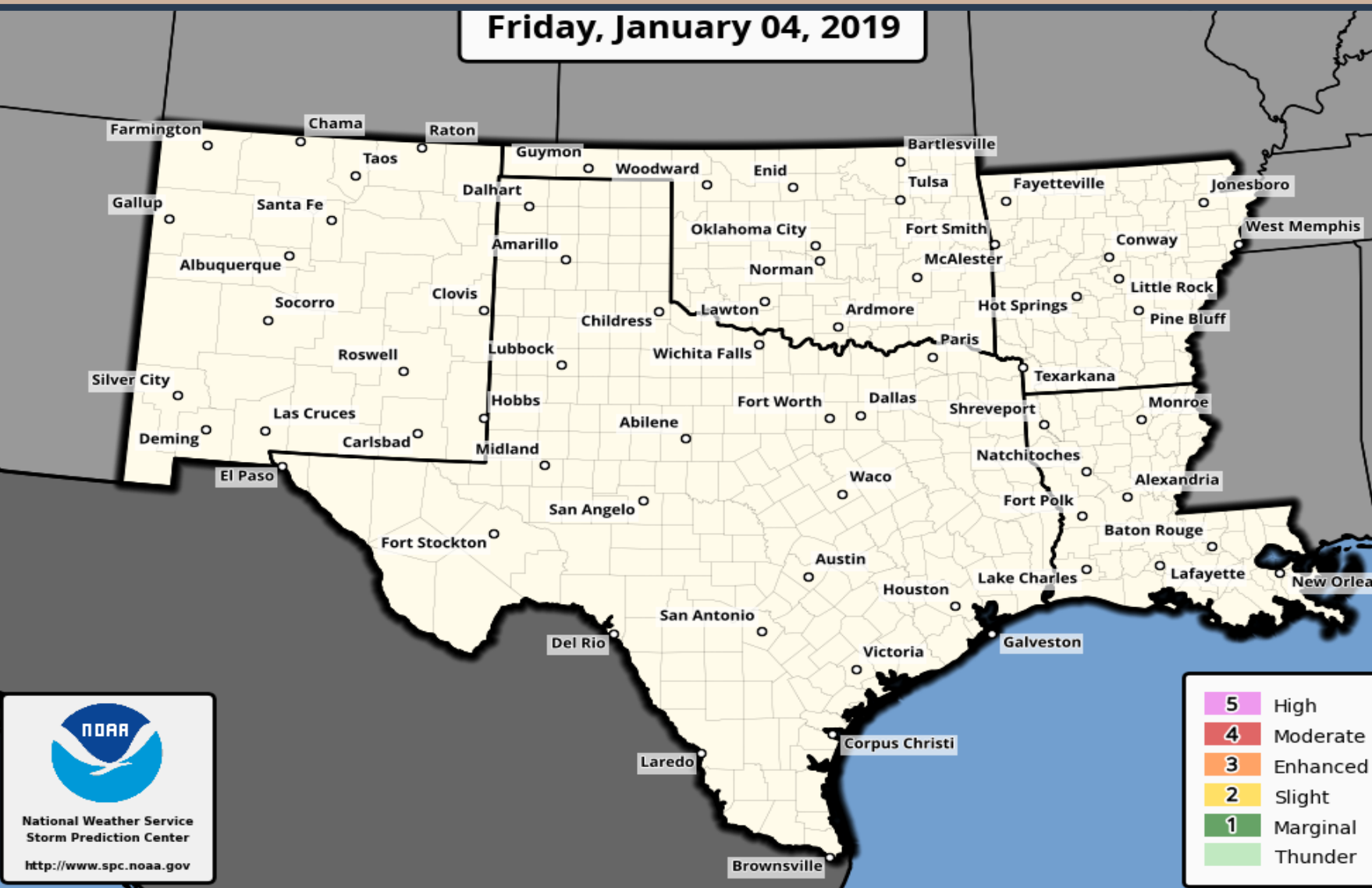


Graphic Created
January 3rd, 2019
7:40 AM CST

No Significant Weather
Impacts expected.

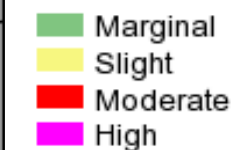
Severe Weather Outlook

Friday, January 04, 2019



Graphic Created
January 3rd, 2019
AM CST

Excessive Rainfall Outlook

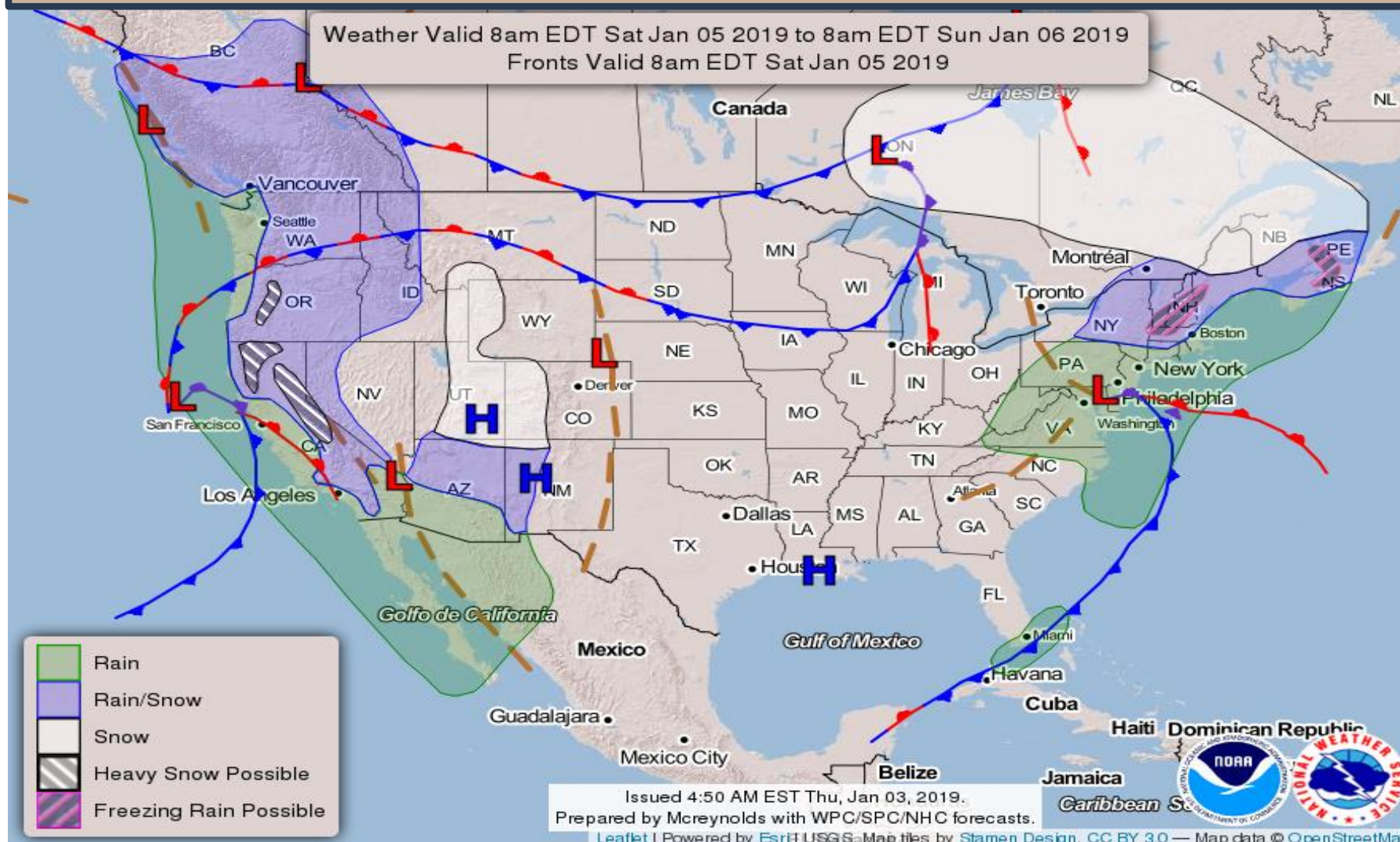


Saturday's Weather

Forecast Chart



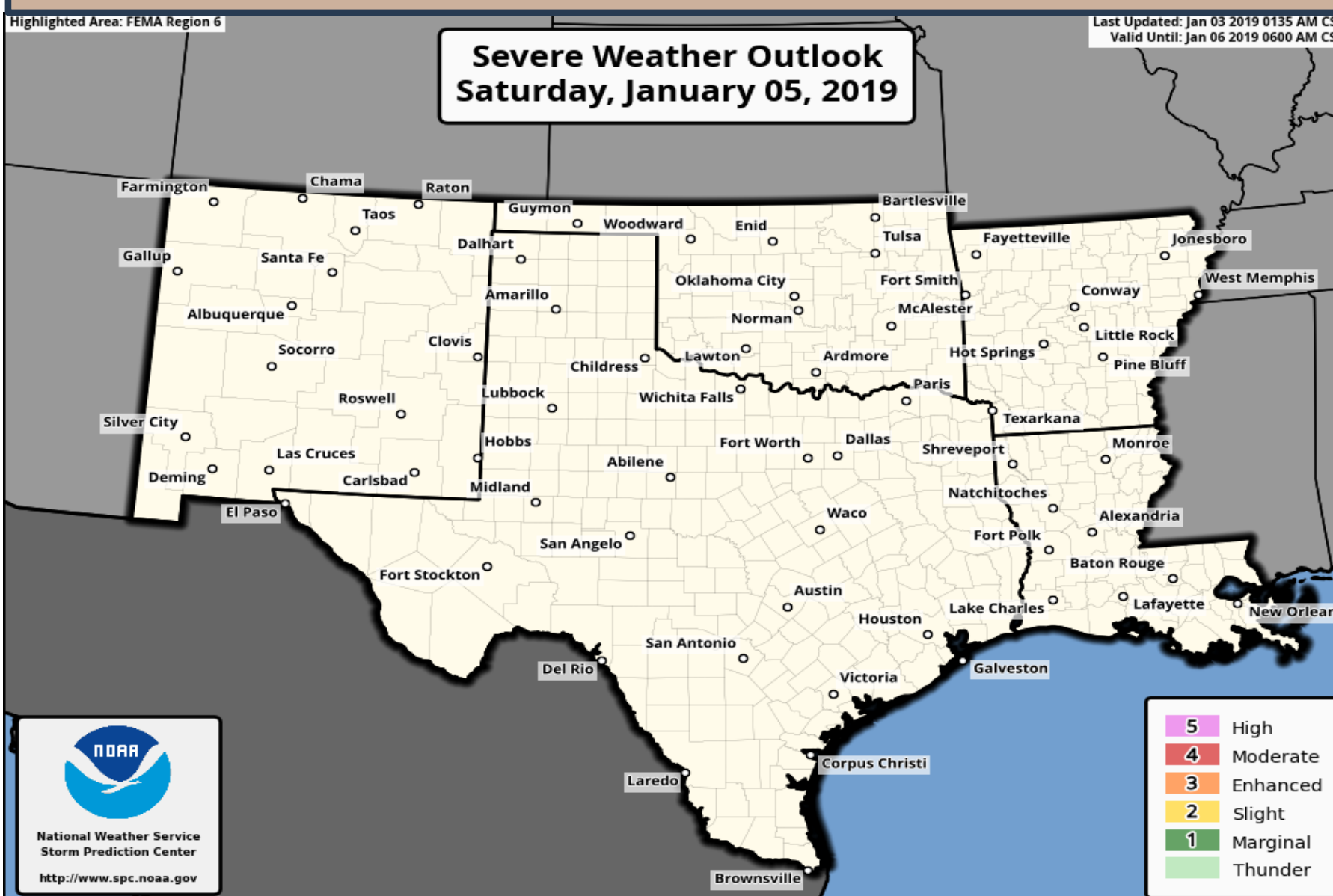
Forecast Rainfall



Graphic Created
January 3rd, 2019



Severe Weather Outlook



Excessive Rainfall Outlook



Document Created
January 3rd, 2019
10:00 AM CST



Days 4-5 Weather Hazards

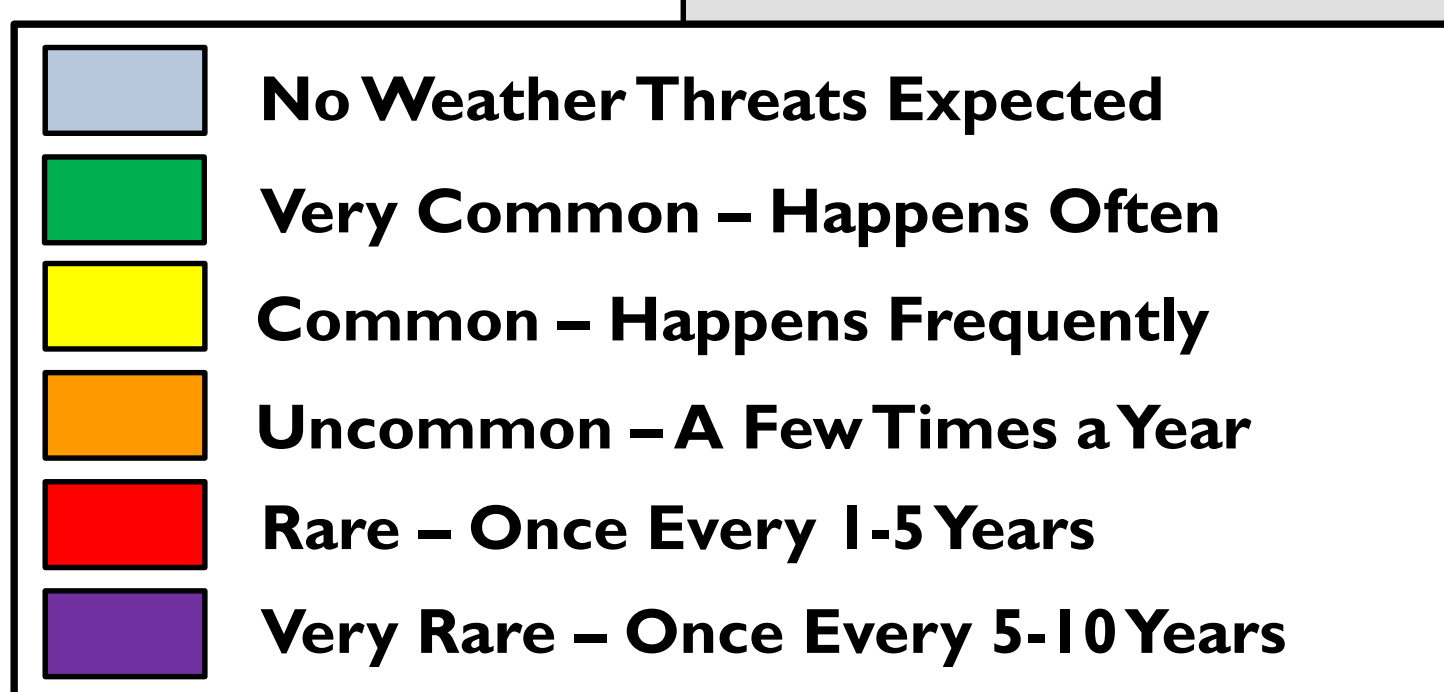
Sunday – Monday



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**Snow possible
on Sunday**

Albuquerque



***Threat levels are based on FEMA Region 6 criteria.
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*For more details on the colors in the threat matrix refer to
the last slide in this briefing.*

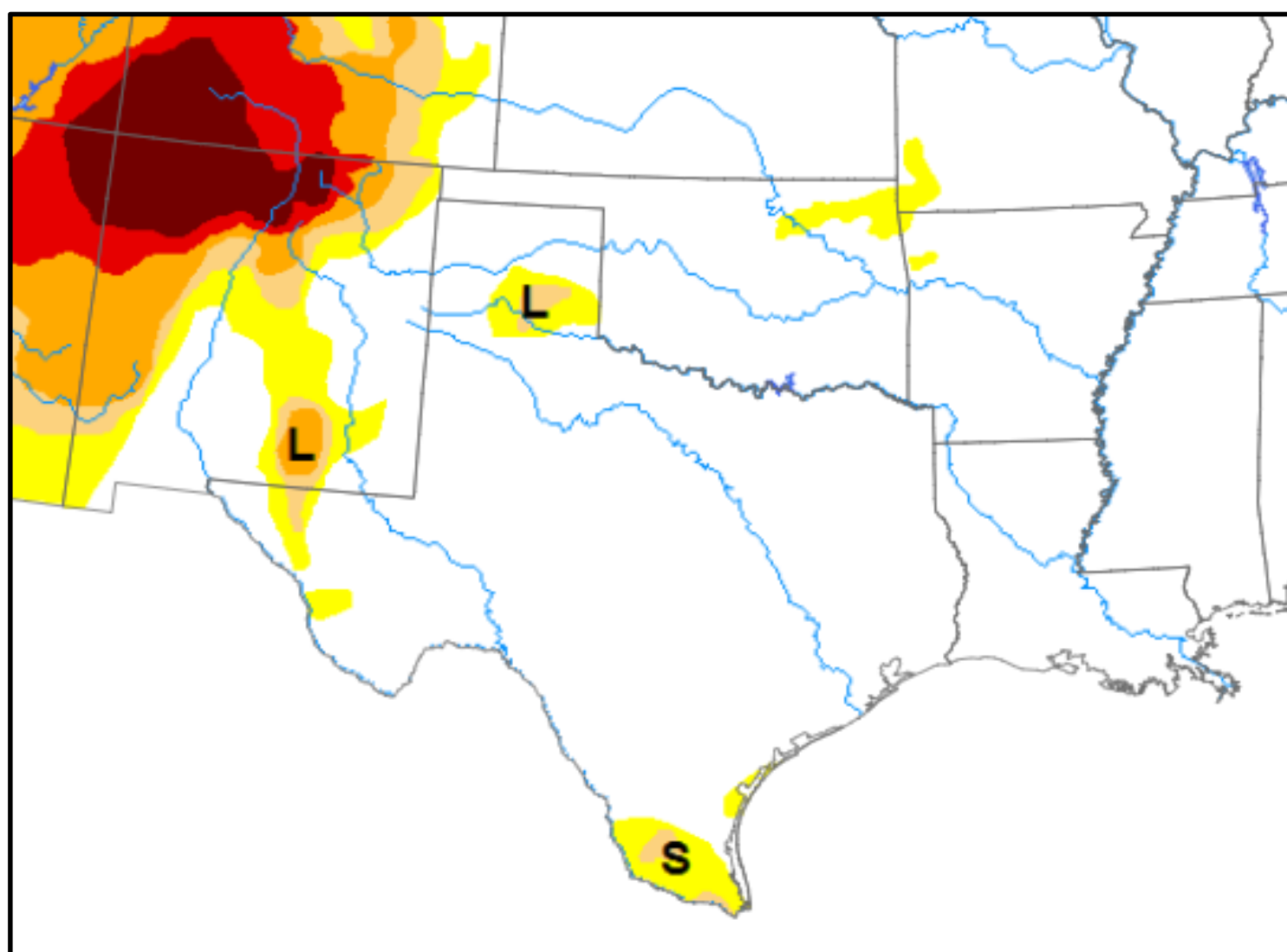
Drought Monitor (Released January 3, 2019)



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Data valid as of 7am EST, Tuesday, January 1, 2019

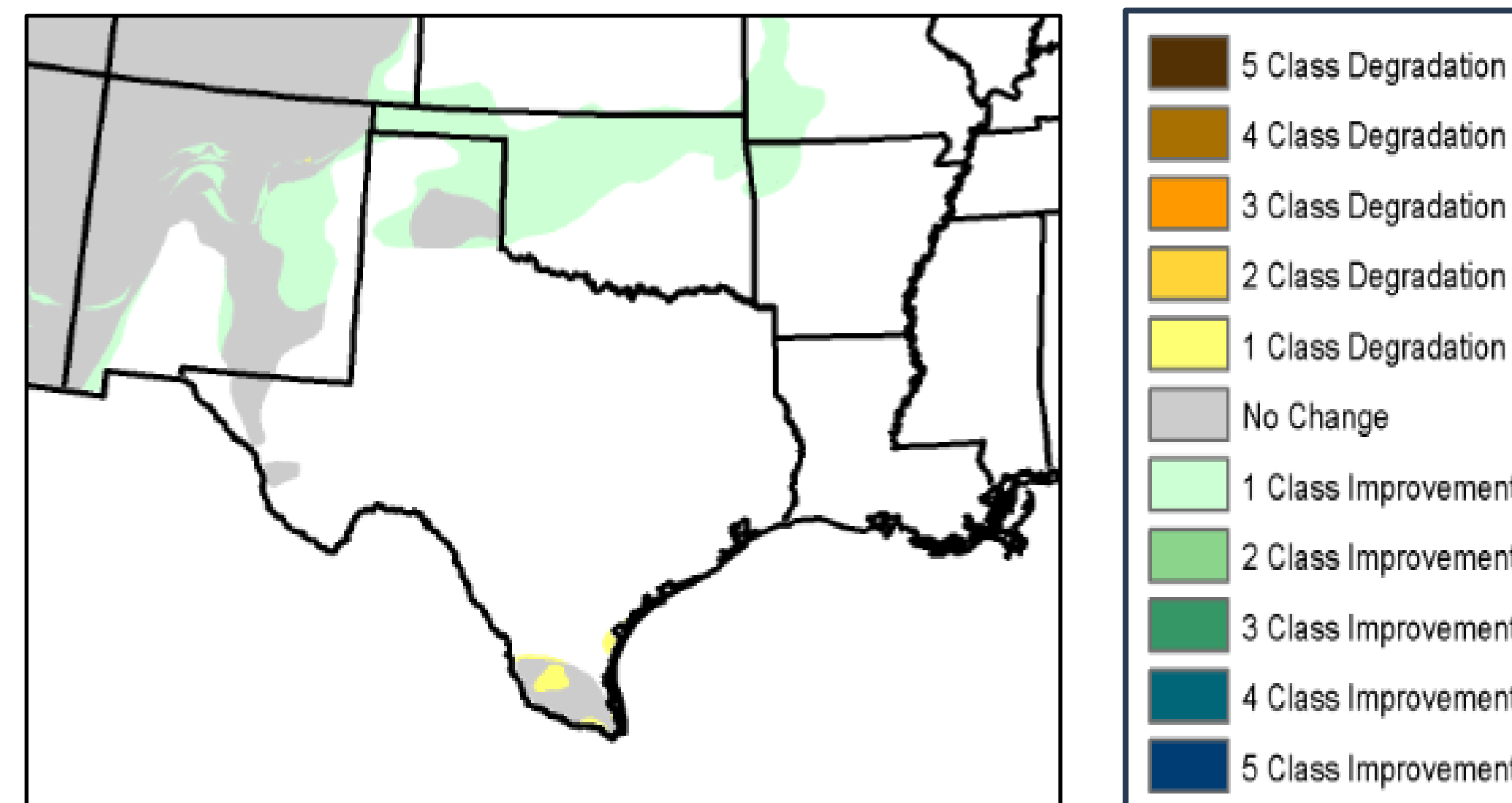
Drought Monitor



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

One Week Change in Drought



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

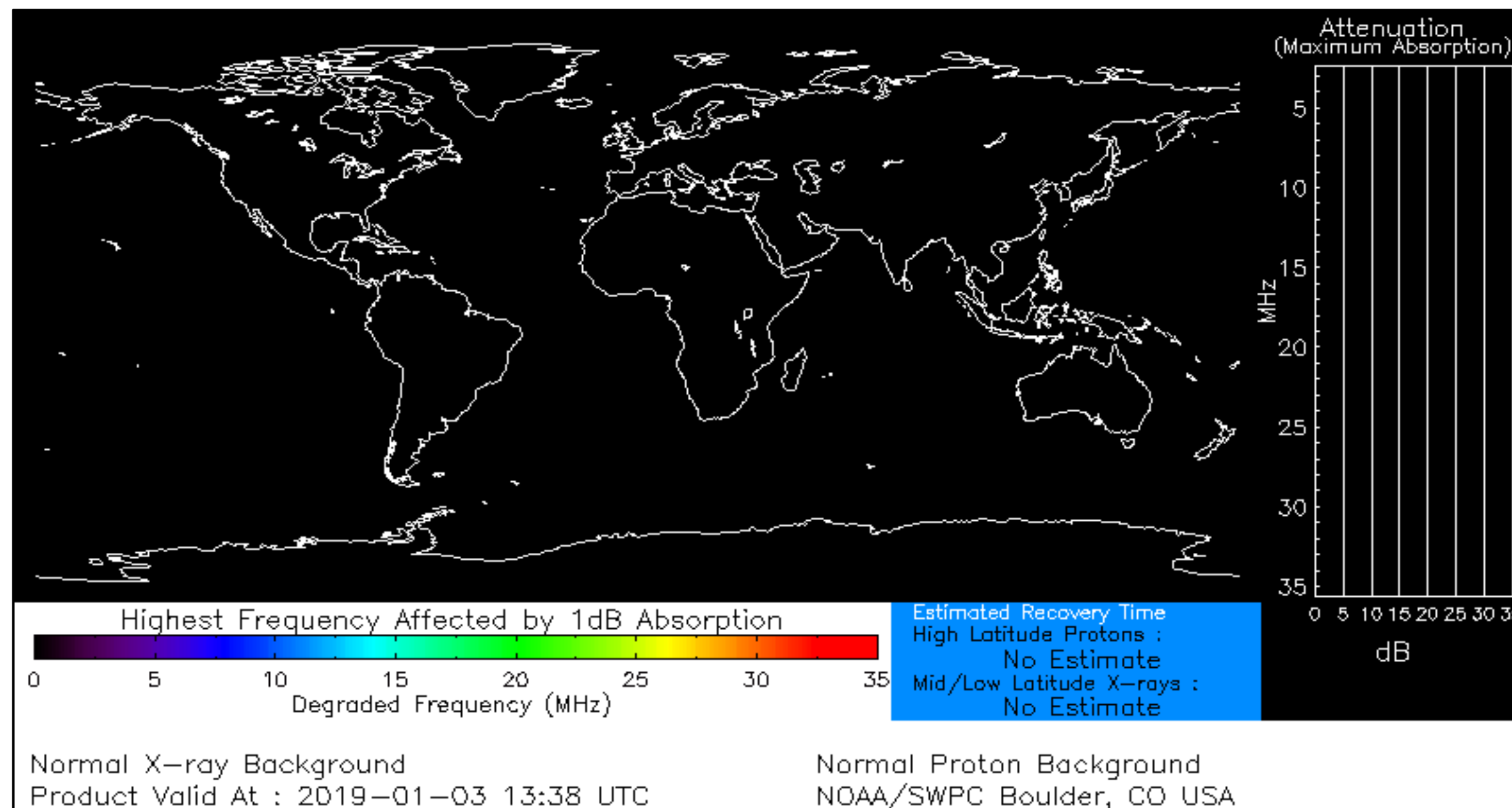
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	2.37%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	0.00%	0.00%	0.00%	0.00%
Texas	0.00%	0.00%	1.04%	0.11%
New Mexico	19.67%	19.89%	32.03%	0.00%

Space Weather 3-Day Forecast



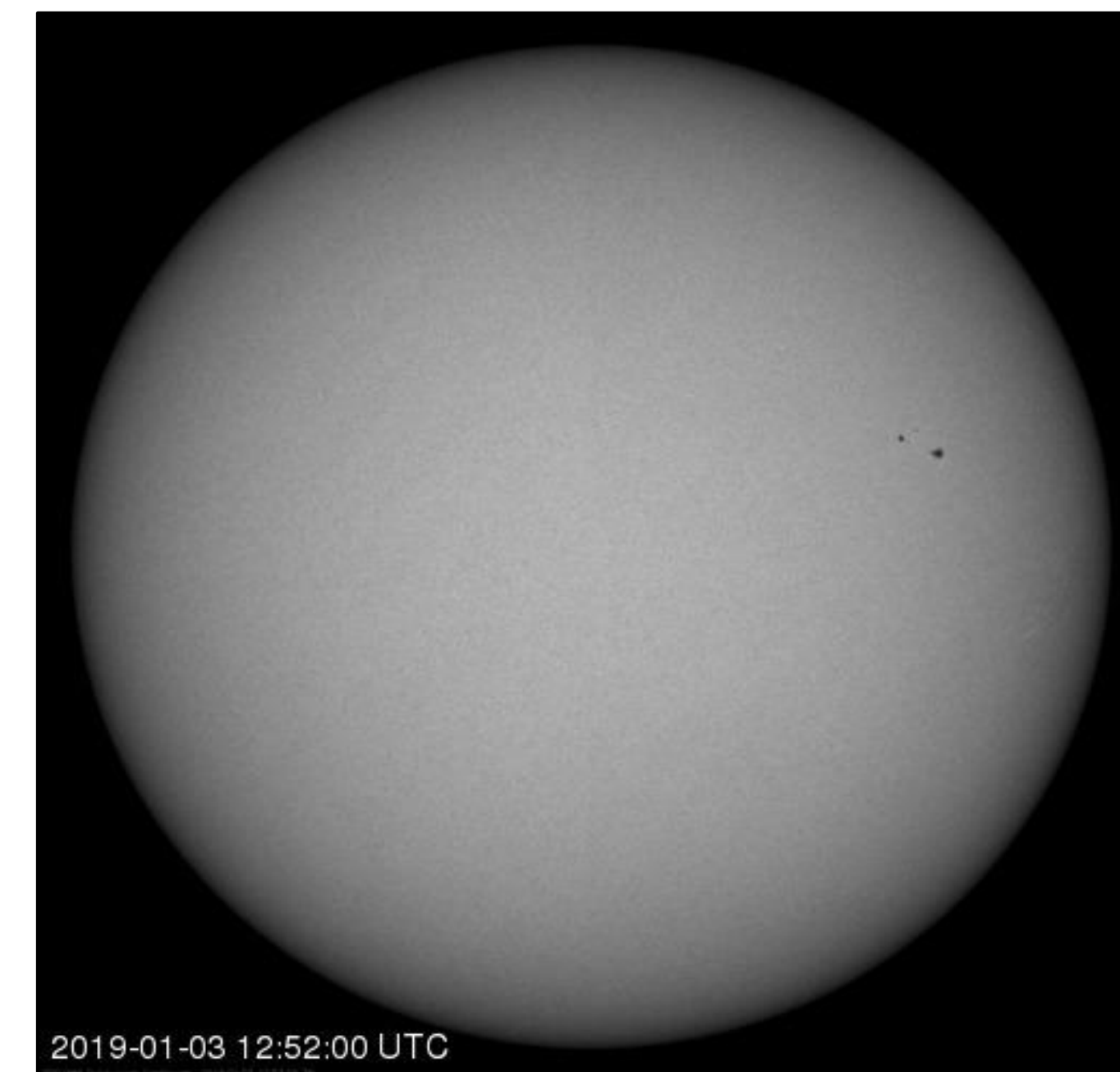
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	Thursday	Friday	Saturday
Geomagnetic Storms	Quiet (Max Kp = 2)	Unsettled to Active (Max Kp = 4)	Minor (G1) Storm (Max Kp = 5)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov